Wyoming-Specific Activity: MMWR Week 11 (Week ending March 21, 2009)

Week	Total
40	8
41	4
42	0
43	2
44	0
45	1
46	3
47	1
48	0
49	1
50	0
51	1
52	2
53	1
1	2
2	1
3	7
4	20
5	39
6	65
7	74
8	107
9	129
10	109
11	135
12	
13	
14	
15	
16	
17	
18	
19	
20	
Unknown	
Total	**713**

County	Totals
Albany	37*
Big Horn	20
Campbell	55
Carbon	
Converse	8
Crook	6
Fremont	41
Goshen	7
Hot Springs	6
Johnson	
Laramie	299
Lincoln	8*
Natrona	94
Niobrara	2
Park	20*
Platte	9*
Sheridan	6*
Sublette	29
Sweetwater	31
Teton	14
Uinta	5
Washakie	8
Weston	8
Unknown	
Total	**713**

Age	Number
0-4	149
5-10	148
11-19	156
20-39	158
40-59	74
60+	28
Unknown	
Total	**713**

Gender	Number
Male	366
Female	347
Unknown	
Total	**713**

Type	Number
A	384
B	171
Unknown	158
Total	**713**

Test	Number
Rapid	699
Culture	11
PCR	1
DFA	1
IFA	1
Total	**713**

***** Counties with positive laboratory cultures

Wyoming Public Health Laboratory Testing: MMWR Week 11 (Week ending March 21, 2009)

Week	# Submitted	A (H1)	A (H3)	B	Negative	Unknown	Not Tested
40	1	-	-	-	1		
41	0	-	-	-	-		
42	0	-	-	-	-		
43	0	-	-	-	-		
44	1	-	-	-	1		
45	0	-	-	-	-		
46	0	-	-	-	-		
47	2	-	-	-	2		
48	0	-	-	-	-		
49	1	-	-	-	1		
50	1	-	-	-	1		
51	0	-	-	-	-		
52	0	-	-	-	-		
53	0	-	-	-	-		
1	0	-	-	-	-		
2	0	-	-	-	-		
3	2	1	1	-	-		
4	4	-	-	1	3		
5	4	-	2	-	2		
6	1	-	-	-	1		
7	1	-	1	-	-		
8	3	-	1	1	1		
9	1	-	-	-	1		
10	6	1	1	-	4		
11	4	-	-	1	3		
12							
13							
14							
15							
16							
17							
18							
19							
20							
Total	**32**	**2**	**6**	**3**	**21**	**0**	**0**

Antigenic Characterization: MMWR Week 11 (Week ending March 21, 2009)

The Centers for Disease Control and Prevention (CDC) has antigenically characterized 807 influenza viruses [510 influenza A (H1), 86 influenza A (H3) and 211 influenza B viruses] collected by U.S. laboratories since October 1, 2008.

All 510 influenza A (H1) viruses are related to the influenza A (H1N1) component of the 2008-09 influenza vaccine (A/Brisbane/59/2007). All 86 influenza A (H3N2) viruses are related to the A (H3N2) vaccine component (A/Brisbane/10/2007).

Influenza B viruses currently circulating can be divided into two distinct lineages represented by the B/Yamagata/16/88 and B/Victoria/02/87 viruses. Forty-four (20.9%) influenza B viruses tested belong to the B/Yamagata lineage and are related to the vaccine strain (B/Florida/04/2006). The remaining 167 (79.1%) viruses belong to the B/Victoria lineage and are not related to the vaccine strain.

Data on antigenic characterization should be interpreted with caution given that antigenic characterization data is based on hemagglutination inhibition (HI) testing using a panel of reference ferret antisera and results may not correlate with clinical protection against circulating viruses provided by influenza vaccination.

Annual influenza vaccination is expected to provide the best protection against those virus strains that are related to the vaccine strains, but limited to no protection may be expected when the vaccine and circulating virus strains are so different as to be from different lineages, as is seen with the two lineages of influenza B viruses.